

SEQUENCE LISTING

<110> Vogels, Ronald
 Bout, Abraham
 van Es, Helmuth
 5 Schouten, Govert
 Van Rompaey, Luc
 <120> Adenoviral Library Assay for Adipogenesis Genes and
 Method
 and Compositions for Screening Compounds
 10 <130> 25482 USA
 <140>
 <141>
 <150> US 10/036,949
 <151> 2001-12-21
 15 <150> US 09/358,036
 <151> 1999-07-21
 <150> US 09/097,239
 20 <151> 1995-07-25
 <160> 20
 <170> PatentIn Ver. 2.0
 25 <210> 1
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 30 <220>
 <223> Description of Artificial Sequence:primer
 <400> 1

21 cgtgtagtgt atttataccc g

5 <210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

10 <220>

<223> Description of Artificial Sequence:primer

<400> 2

21 tcgtcactgg gtggaaagcc a

15 <210> 3

<211> 21

<212> DNA

<213> Artificial Sequence

20 <220>

<223> Description of Artificial Sequence:primer

<400> 3

25 taccgcgcgt cctaaaatgg c

21

30 <210> 4

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

5
 21
 <400> 4
 gcctccatgg aggtcagatg t
 <210> 5
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 10
 <220>
 <223> Description of Artificial Sequence:primer
 15
 20
 <400> 5
 gcttgagccc gagacatgtc
 <210> 6
 <211> 24
 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence:primer
 25
 <400> 6
 cccctcgagc tcaatctgta tctt
 24
 30
 <210> 7
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<400> 7

5 gggggatccg aacttggtta ttgcagc
27

<210> 8

<211> 25

10 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

15

<400> 8

gggagatcta gacatgataa gatac
25

20 <210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

25 <220>

<223> Description of Artificial Sequence:primer

<400> 9

30 gggagatctg tactgaaatg tgtgggc
27

<210> 10

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

5

<400> 10

ggaggctgca gtctccaacg gcgt

24

10

<210> 11

<211> 45

<212> DNA

<213> Artificial Sequence

15

<220>

<223> Description of Artificial Sequence:primer

<400> 11

gtacactgac ctagtgccgc ccgggcaaag cccgggcggc actag

20 45

<210> 12

<211> 33

25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:artificial primer
with HindIII site

30

<400> 12

gcgaagcttc catggcgctc ctgctgtgct tcg

33

<210> 13
 <211> 36
 <212> DNA
 5 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:artificial primer
 with BamHi site
 10

 <400> 13
 gcgggatcca tctatactat agacccatcc ttgctc
 36

 15 <210> 14
 <211> 1215
 <212> DNA
 <213> Human

 20 <220>

 <400> 14
 gccacgcggt ccggttttct actttgccac agattatcctt gtacagcctt
 ttatggacca 60
 25 attagcattc catcaatttt atatctagca tatttgcggt tagaatccca
 tggatgtttc 120
 ttctttgact ataacaaaat ctggggagga caaaggtgat tttcctgtgt
 ccacatctaa 180
 caaagtcaag attcccggct ggacttttgc agcttccttc caagtcttcc
 30 tgaccacctt 240
 gcactattgg actttggaag gaggtgccta tagaaaacga ttttgaacat
 acttcatcgc 300
 agtggactgt gtccctcggt gcagaaacta ccagatttga gggacgaggt
 caaggagata 360
 35 tgataggccc ggaagttgct gtgccccatc agcagcttga cgcgtggtca
 caggacgatt 420

tcactgacac tgcgaactct caggactacc gttaccaaga ggtaggtga
agtggtttaa 480

accaaacgga actcttcatc ttaaactaca cggtgaaaat caaccaata
attctgtatt 540

5 aactgaattc tgaacctttc aggagggtact gtgaggaaga gcaggcacca
gcagcagaat 600

ggggaatgga gaggtgggca ggggttccag cttcccttg attttttgct
gcagactcat 660

10 cttttttaa tgagacttgt tttccctct ctttgagtca agtcaaata
gtagattgcc 720

tttggaatt cttcttctca agcactgaca ctcattaccg tctgtgattg
ccatttcttc 780

ccaaggccag tctgaacctg aggttgcttt atcctaaaag ttttaacctc
aggttccaaa 840

15 ttcagtaaatt tttggaaaca gtacagctat ttctcatcaa ttctctatca
tgttgaagtc 900

aaatttgat tttccaccaa attctgaatt tgtagacata cttgtacgct
cacttgcccc 960

20 agatgcctcc tctgtcctca ttcttctctc ccacacaagc agtcttttcc
tacagccagt 1020

aaggcagctc tgtcgtggta gcagatggc ccattattct agggctcttac
tctttgtatg 1080

atgaaaagaa tgtgttatga atcgggtgctg tcagccctgc tgtcagacct
tcttccacag 1140

25 caaatgagat gtatgcccac agacggtaga attaaagaag agtaaaatgg
ctgttgaagc 1200

aaaaaaaaaa aaaaa
1215

30 <210> 15

<211> 219

<212> PRT

<213> Human

35 <220>

<400> 15

| | | | | | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | Met | Glu | Tyr | Leu | Ser | Ala | Leu | Asn | Pro | Ser | Asp | Leu | Leu | Arg | Ser | |
| | | | | | 5 | | | | | 10 | | | | | 15 | |
| 5 | Val | Ser | Asn | Ile | Ser | Ser | Glu | Phe | Gly | Arg | Arg | Val | Trp | Thr | Ser | |
| | | | | | 20 | | | | | 25 | | | | | 30 | |
| | Ala | Pro | Pro | Pro | Gln | Arg | Pro | Phe | Arg | Val | Cys | Asp | His | Lys | Arg | |
| | | | | | 35 | | | | | 40 | | | | | 45 | |
| 10 | Thr | Ile | Arg | Lys | Gly | Leu | Thr | Ala | Ala | Thr | Arg | Gln | Glu | Leu | Leu | |
| | | | | | 50 | | | | | 55 | | | | | 60 | |
| | Ala | Lys | Ala | Leu | Glu | Thr | Leu | Leu | Leu | Asn | Gly | Val | Leu | Thr | Leu | |
| 15 | | | | | 65 | | | | | 70 | | | | | 75 | |
| | Val | Leu | Glu | Glu | Asp | Gly | Thr | Ala | Val | Asp | Ser | Glu | Asp | Phe | Phe | |
| | | | | | 80 | | | | | 85 | | | | | 90 | |
| | Gln | Leu | Leu | Glu | Asp | Asp | Thr | Cys | Leu | Met | Val | Leu | Gln | Ser | Gly | |
| 20 | | | | | 95 | | | | | 100 | | | | | 105 | |
| | Gln | Ser | Trp | Ser | Pro | Thr | Arg | Ser | Gly | Val | Leu | Ser | Tyr | Gly | Leu | |
| | | | | | 110 | | | | | 115 | | | | | 120 | |
| 25 | Gly | Arg | Glu | Arg | Pro | Lys | His | Ser | Lys | Asp | Ile | Ala | Arg | Phe | Thr | |
| | | | | | 125 | | | | | 130 | | | | | 135 | |
| | Phe | Asp | Val | Tyr | Lys | Gln | Asn | Pro | Arg | Asp | Leu | Phe | Gly | Ser | Leu | |
| | | | | | 140 | | | | | 145 | | | | | 150 | |
| 30 | Asn | Val | Lys | Ala | Thr | Phe | Tyr | Gly | Leu | Tyr | Ser | Met | Ser | Cys | Asp | |
| | | | | | 155 | | | | | 160 | | | | | 165 | |

Phe Gln Gly Leu Gly Pro Lys Lys Val Leu Arg Glu Leu Leu Arg
170 175 180

Trp Thr Ser Thr Leu Leu Gln Gly Leu Gly His Met Leu Leu Gly
5 185 190 195

Ile Ser Ser Thr Leu Arg His Ala Val Glu Gly Ala Glu Gln Tyr
200 205 210

Gln Gln Lys Gly Arg Leu His Ser Tyr
10 215

<210> 16
<211> 2237
15 <212> DNA
<213> Human

<220>
20 <400> 16

gtcgacccac gcgtccgcgc ctgcagaagg ttgactgcgt ggtagggggc
ccagagcaag 60

ccgaaggcaa gcacgatggc gctcaccagc cggcccaccc gcgccccgtg
25 ccgcccggag 120

ccccagcggg cgccccgcag ccgtgccagc gtcacgctgt agcagccgag
catcagcccg 180

aaaggaagca cgaaagcggc gccggttagac ggcggccggg acggcgagca
acagggcggc 240

cagccagacc gccagcagca ggcggcgggc cagggccggg ctgcgcagcc
30 gagggcgccag 300

gaagggggcg gtgactgcga ggcagcgcgt caggctgagc aggccgggtga
gcagcacgct 360

ggcgtacatg ctgagcgcgc acacgtagta caccgccttg cagcccgcc
35 ggcccagcgg 420

ccaggcctgc cgggtcagga aggccacaaa gagcggcgtg agcagcagca
ccgcgccgtc 480

ggccagcgcc aggtgcagca caagcgtggc cgccagcgtt cgcggccgtg
caggccgcca 540

5 gcccgcgaag ctccacacca cgaagccgtt gccaggcagc cccagcagcg
ccgccagcag 600

caggaaggct gtgcctgtgg cccgcgaagt cttccagctc agcagtgtct
cggtccctgg 660

10 gggacggtag cagaccgaca tccttctggg cctacaggac acagaaaaaa
agtggggaag 720

ctgggggacc cctacaagga tccttggcag gaaagcaggg attgtgttca
tttgagggtt 780

tcactgtcag tgagagtctc agcttccatg caactgtcca tcacggctgc
aactgaaatc 840

15 agagctggga cacagcgac cagaagctaa agtcttgatg ccatcaaagg
acatccctgc 900

cccattcaca tctctgtcac gtccactaat cggcaaaagg agaaaagtga
gagaagatga 960

20 cctaagtgtg actgcagcag gcagctctgg aaaatgaagc cagagcagtg
agccagcccc 1020

tcctccgacc aaggaggaag gaaagagcag cccagcaca ggagagaacc
accagccca 1080

gaagttccag ggaaggaact ctccgggtcca ccatggagta cctctcagct
ctgaacccca 1140

25 gtgacttact caggtcagta tctaataata gctcggagtt tggacggagg
gtctggacct 1200

cagctccacc accccagcga cctttccgtg tctgtgatca caagcggacc
atccggaaag 1260

30 gcctgacagc tgccacccgc caggagctgc tagccaaagc attggagacc
ctactgctga 1320

atggagtgtc aaccctggtg ctagaggagg atggaactgc agtggacagt
gaggacttct 1380

tccagctgct ggaggatgac acgtgcctga tgggtgttga gtctggtcag
agctggagcc 1440

35 ctacaaggag tggagtgtg tcatatggcc tgggacggga gaggcccaag
cacagcaagg 1500

acatcgcccc attcaccttt gacgtgtaca agcaaaaccc tcgagacctc
tttggcagcc 1560

tgaatgtcaa agccacatto tacgggctct actctatgag ttgtgacttt
caaggacttg 1620

gcccacagaa agtactcagg gagctccttc gttggacctc cacactgctg
caaggcctgg 1680

5 gccatatgtt gctgggaatt tcctccaccc ttcgtcatgc agtggagggg
gctgagcagt 1740

ggcagcagaa gggccgcctc cattcctact aaggggctct gagcttctgc
ccccagaatc 1800

10 attccaaccg acccactgca aagactatga cagcatcaaa tttcaggacc
tgcagacagt 1860

acaggctaga taaccacccc aatttcccca ctgtcctctg atccccctgt
gacagaacct 1920

ttcagcataa cgcctcacat cccaagtcta tacccttacc tgaagaatgc
tgttctttcc 1980

15 tagccacctt tctagcctcc cacttgcctt gaaaggccaa gatcaagatg
tccccaggc 2040

atcttgatcc cagcctgact gctgctacat ctaatccccct accaatgcct
cctgtcccta 2100

20 aactccccag catactgatg acagccctct ctgactttac cttgagatct
gttttcatac 2160

ccttccccctc aaactaacaa aaacatttcc aataaaaaata tcaaatattt
aaaaaaaaaa 2220

aaaaaaaggg cggccgc
2237

25

<210> 17

<211> 183

<212> DNA

<213> Human

30

<220>

<400> 17

35 cgctgcaga aggttgactg cgtggtaggg ggcccagagc aagccgaagg
caagcacgat 60

ggcgctcacc agccggccca cccgcgcccc gtgccgcccc gagccccagc
gggcgccccg 120

cagccgtgcc agcgtcacgc tgtagcagcc gagcatcagc ccgaaaggaa
gcacgaaagc 180

ggt
183

5

<210> 18

<211> 500

<212> DNA

10

<213> Human

<220>

<400> 18

15

ggtggcggta gacggcggcc gggacggcga gcaacagggc ggccagccag
accgccagca 60

gcaggcggcg ggccagggcc gggctgcgca gccgaggcgc caggaagggg
cgggtgactg 120

20

cgaggcagcg ctgcaggctg agcaggccgg tgcagcac gctggcgtac
atgctgagcg 180

cgcacacgta gtacaccgcc ttgcagccc cctggcccag cggccaggcc
tgccgggtca 240

ggaaggccac aaagagcggc gtgagcagca gcaccgcgcc gtcggccagc
gccaggtgca 300

25

gcacaagcgt ggccgccagc ggtcgcccc gtgcaggccg ccagcccgcc
aagctccaca 360

ccacgaagcc gttgccaggc agccccagca gcgccgccag cagcaggaag
gctgtgcctg 420

30

tggccccgaa gtcttcagc tcagcagtgt ctcgttcctt gggggacggt
agcagaccga 480

catccttctg ggcctacagg
500

<210> 19

<211> 20

35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:artificial sequencing
primer

5

<400> 19

ggtgggaggt ctatataagc

20

10

<210> 20

<211> 22

<212> DNA

<213> Artificial Sequence

15

<220>

<223> Description of Artificial Sequence:artificial sequencing
primer

<400> 20

20

ggacaaacca caactagaat gc

22